

FIG. 1

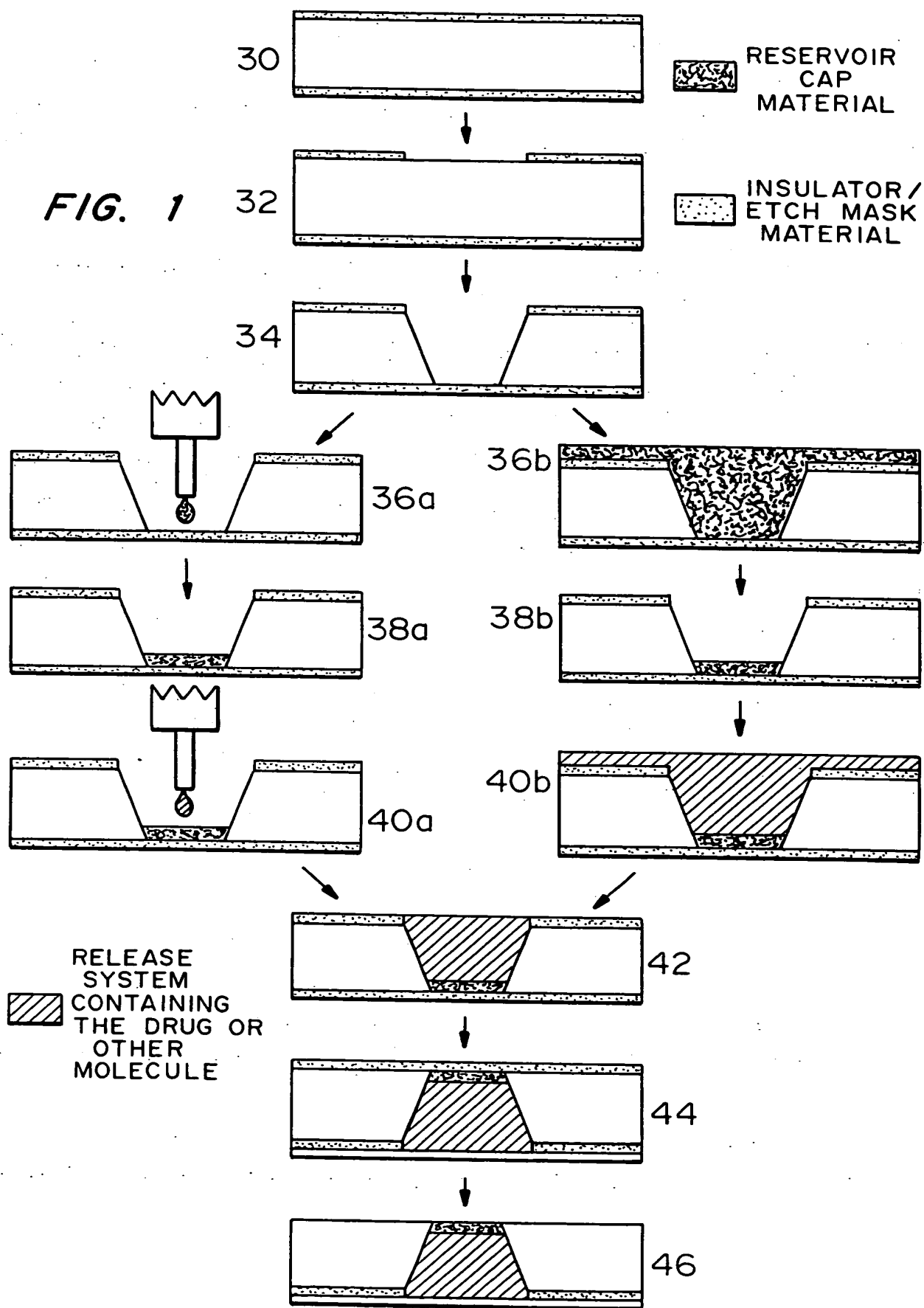



FIG. 2a

 RESISTOR MATERIAL

 CAP MATERIAL

 INSULATOR / ETCH MASK MATERIAL

 INSULATOR OVERLAYER

 RELEASE SYSTEM CONTAINING THE DRUG OR OTHER MOLECULE

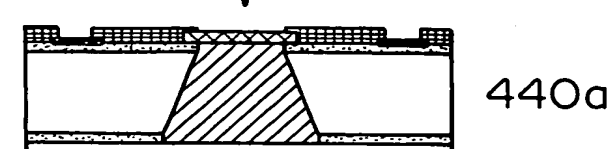
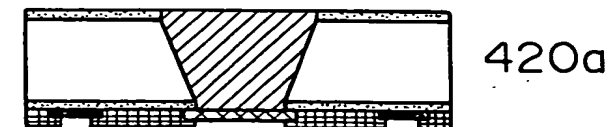
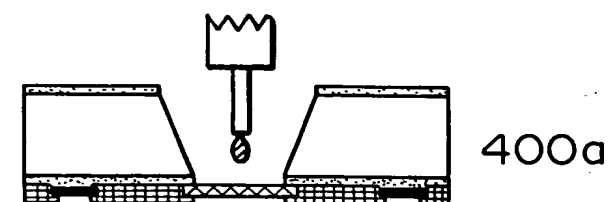
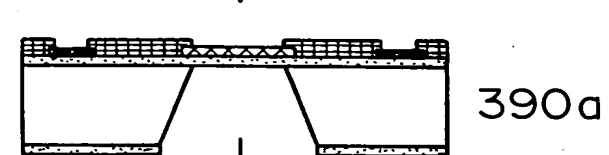
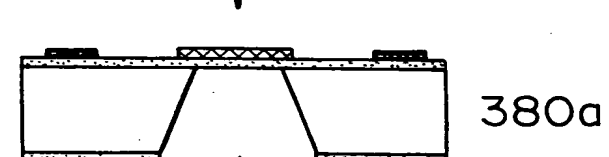
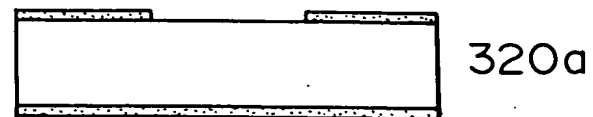
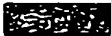






FIG. 2B

-  RESISTOR MATERIAL
-  CAP MATERIAL
-  INSULATOR / ETCH MASK MATERIAL
-  INSULATOR OVERLAYER
-  RELEASE SYSTEM CONTAINING THE DRUG OR OTHER MOLECULE

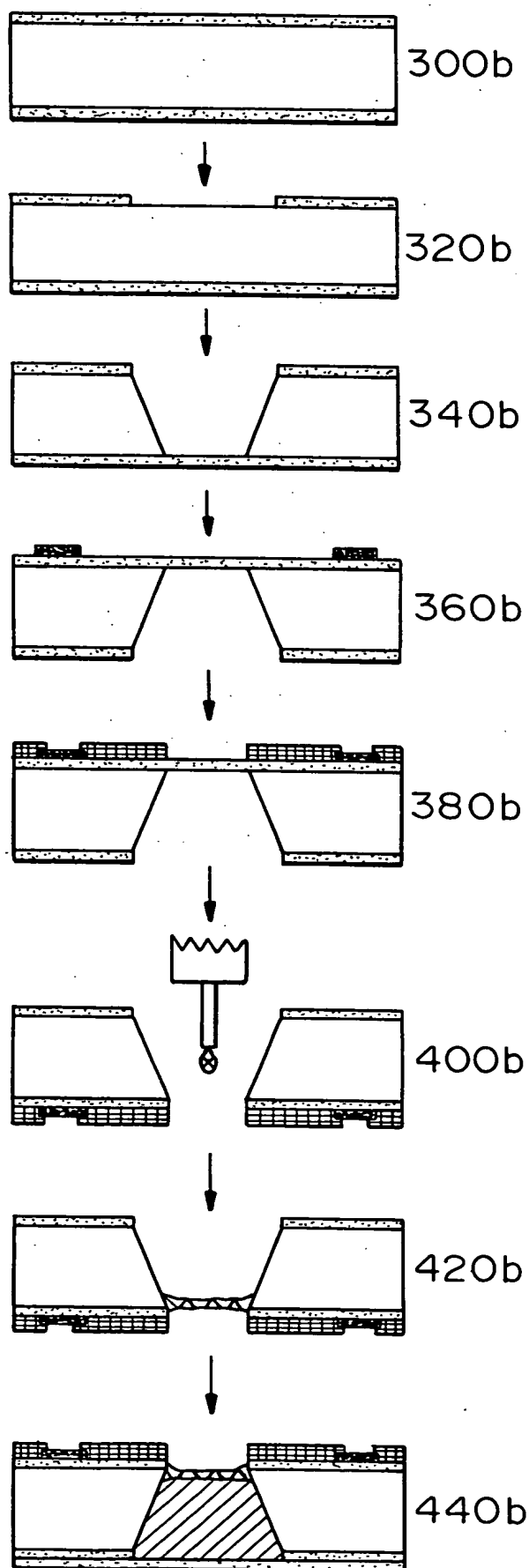


FIG. 2C

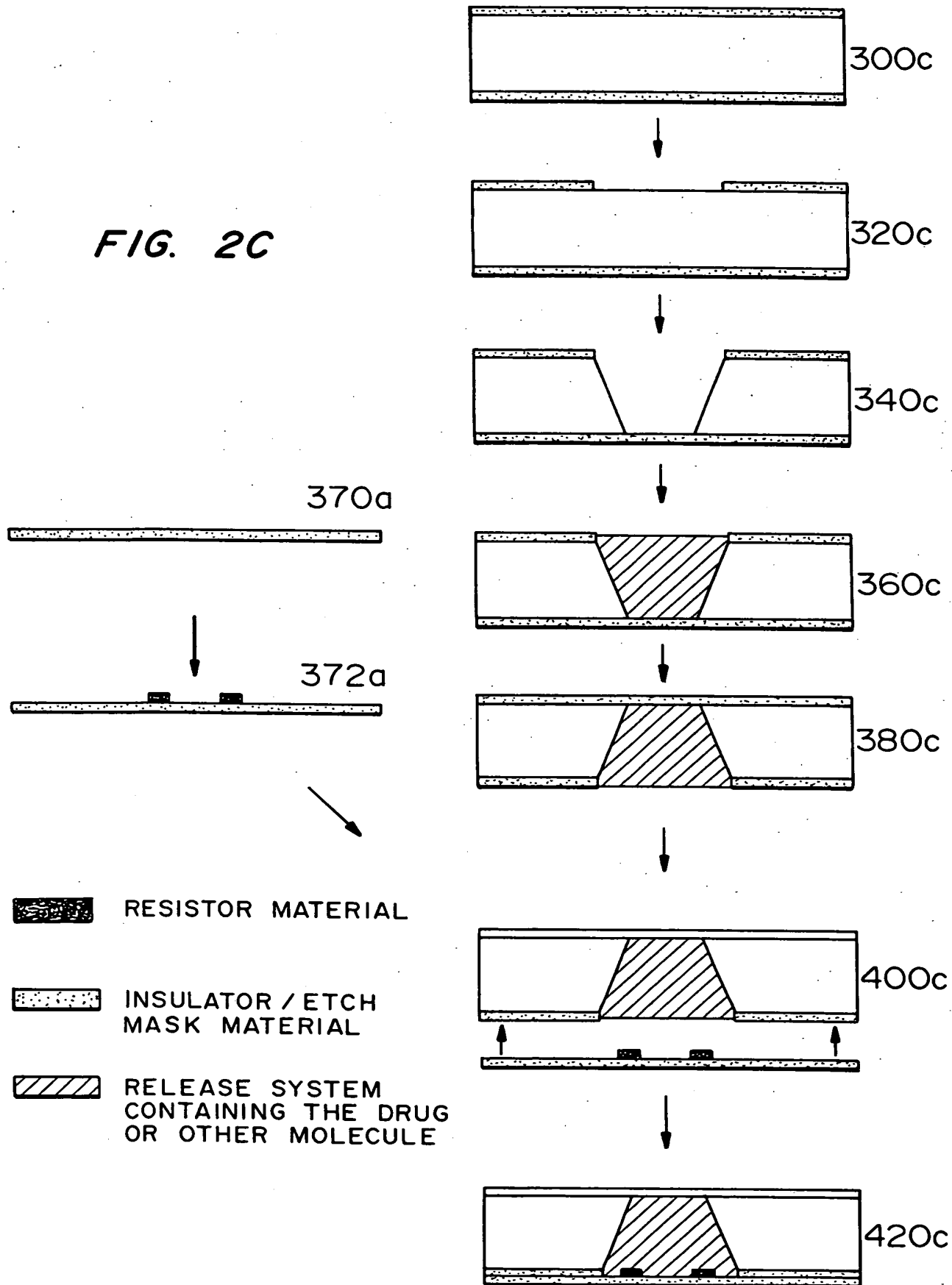
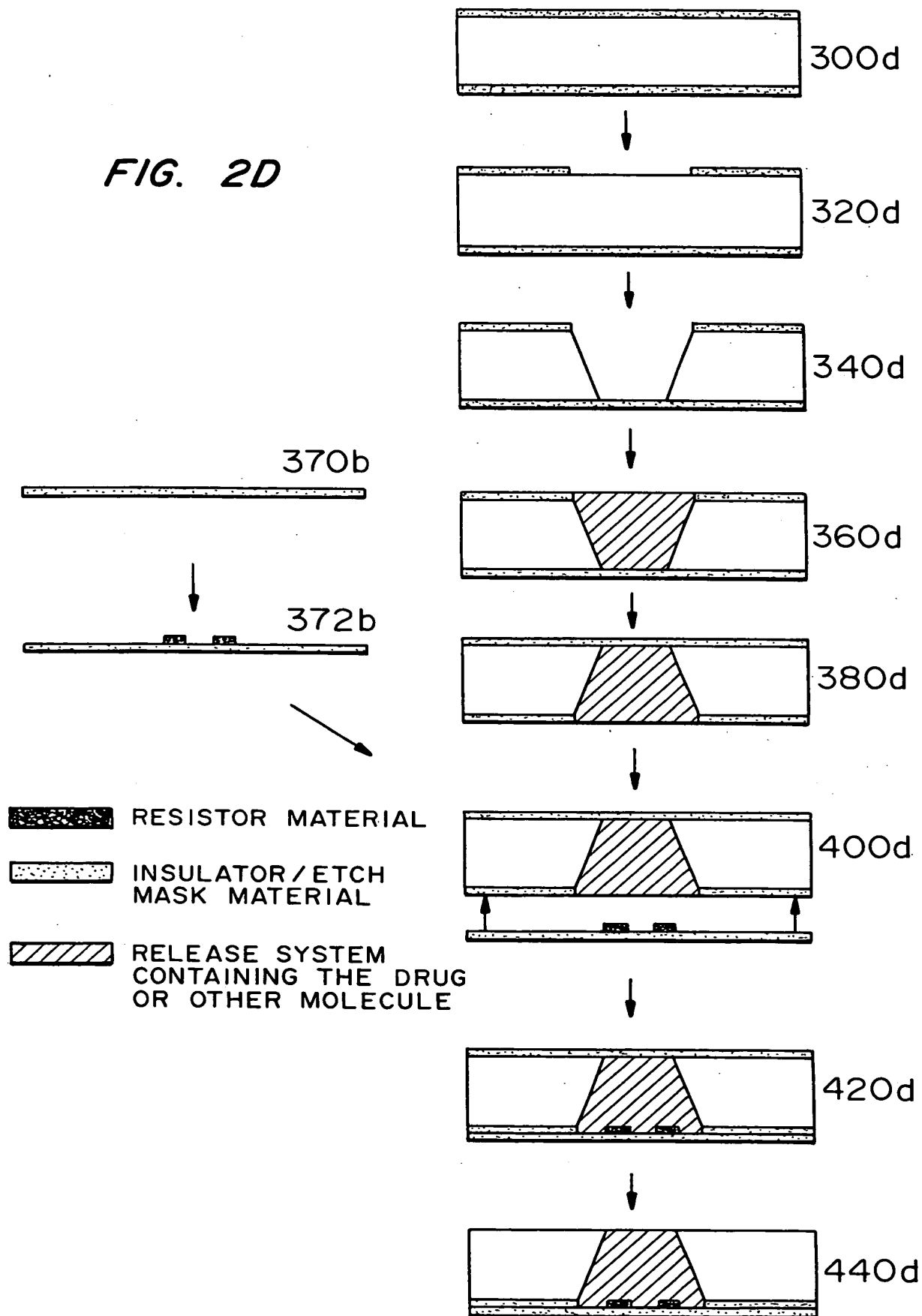


FIG. 2D



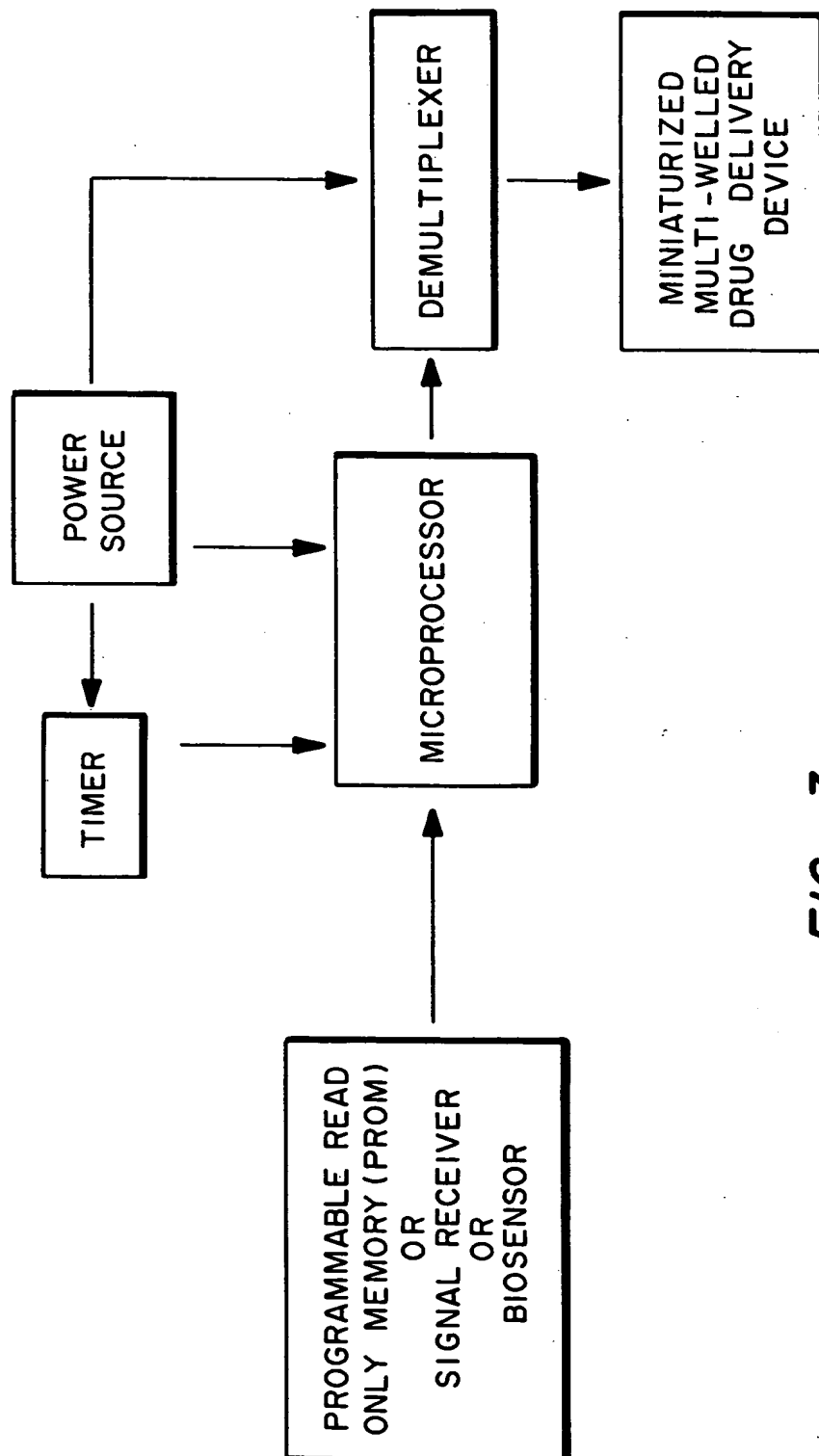
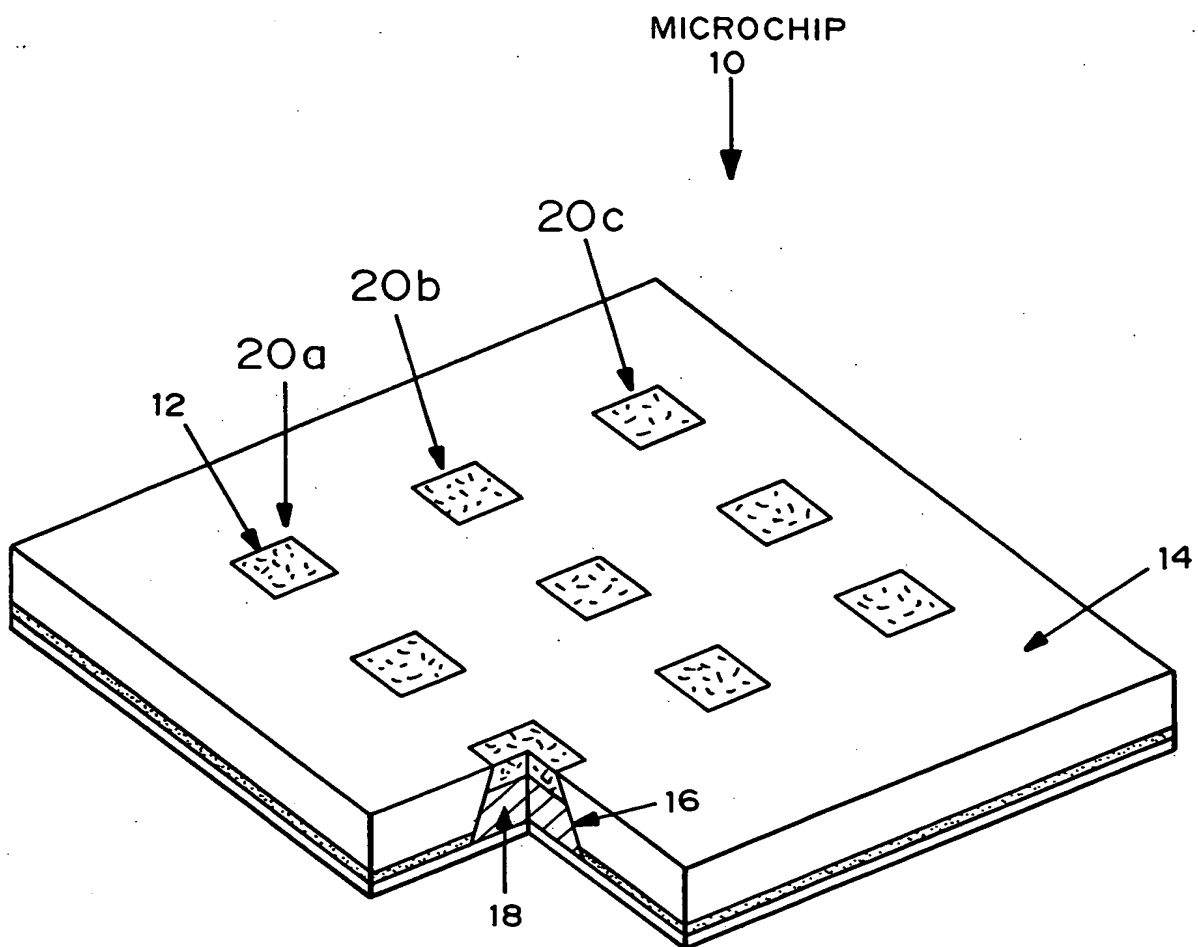
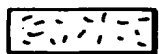


FIG. 3



RELEASE SYSTEM CONTAINING THE DRUG OR
OTHER MOLECULE



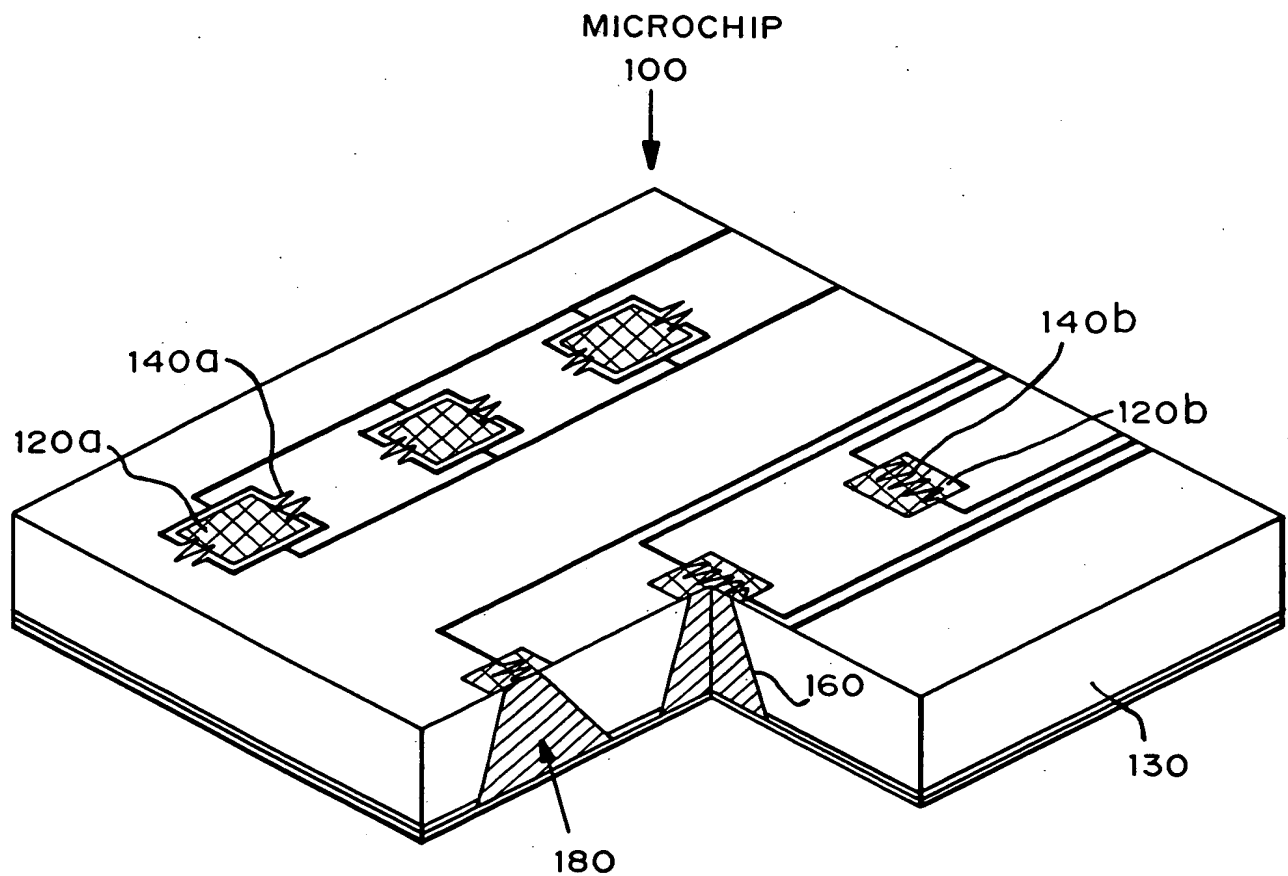
RESERVOIR CAP MATERIAL



INSULATOR/ETCH MASK MATERIAL

FIG. 4

FIG. 5



RESISTOR MATERIAL



CAP MATERIAL



INSULATOR/ETCH MASK MATERIAL



RELEASE SYSTEM CONTAINING THE DRUG OR
OTHER MOLECULE

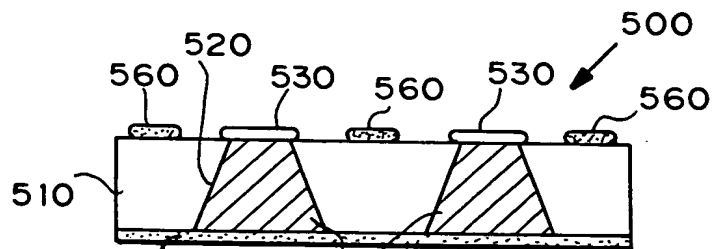


FIG. 6A

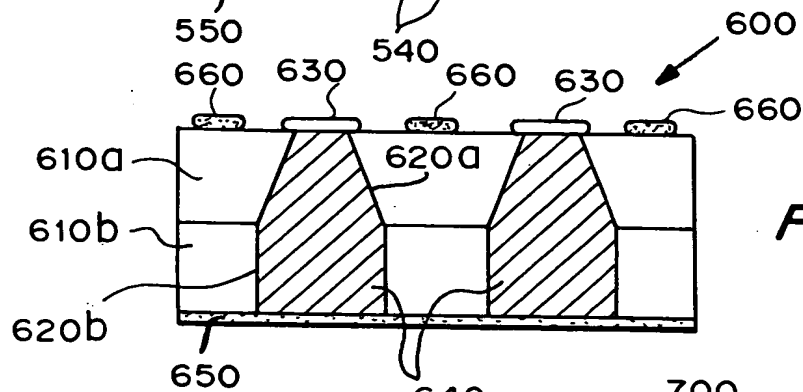


FIG. 6B

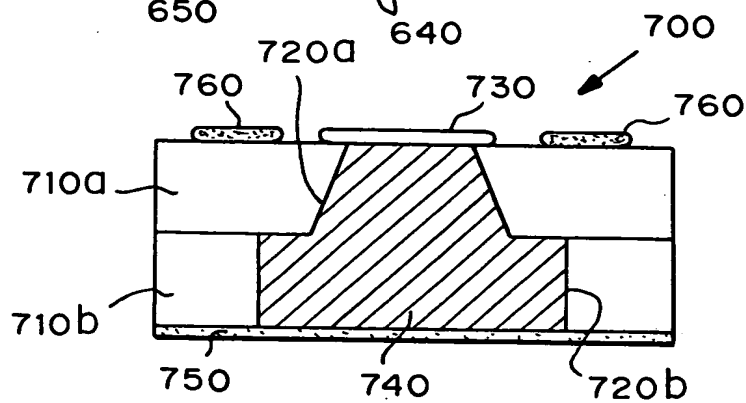


FIG. 6C

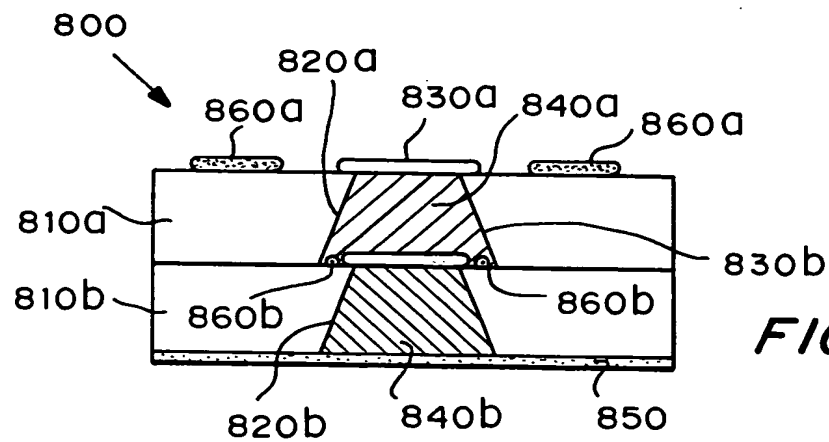


FIG. 6D

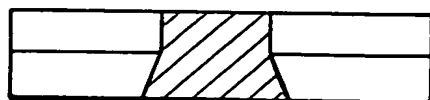


FIG. 6E

FIG. 7A

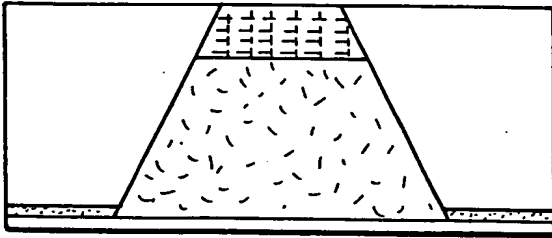


FIG. 7B

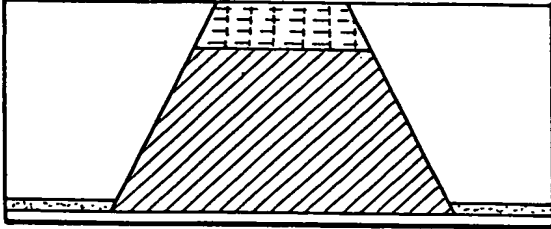


FIG. 7C

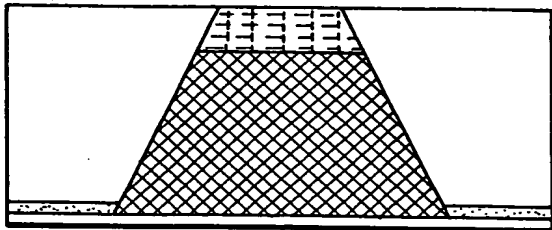


FIG. 7D

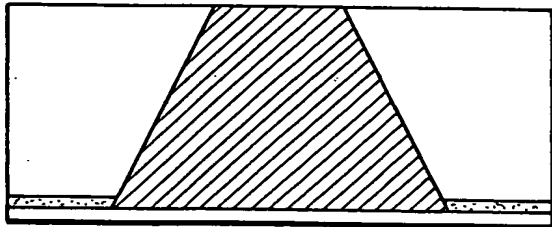


FIG. 7E

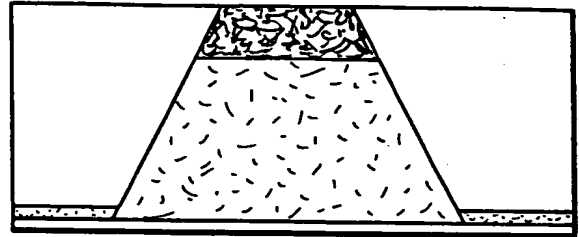


FIG. 7F

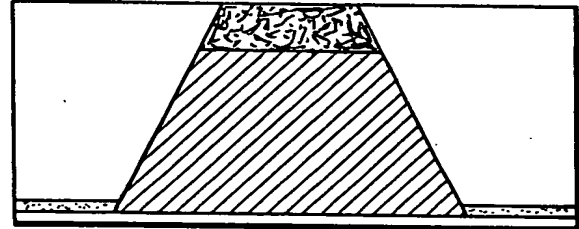


FIG. 7G

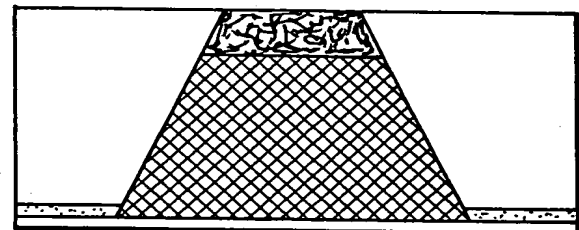


FIG. 7H

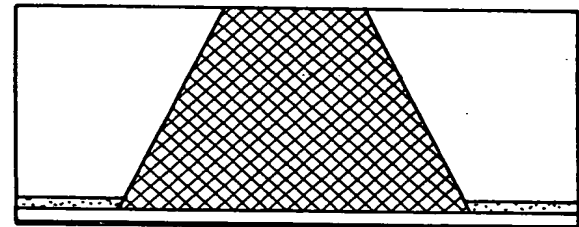
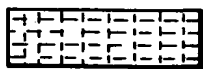
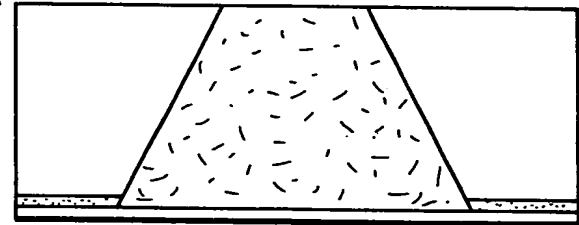


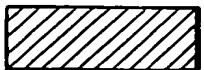
FIG. 7I



DEGRADABLE RESERVOIR
CAP MATERIAL



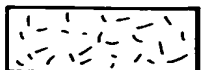
NON-DEGRADABLE
RESERVOIR-CAP
MATERIAL



DEGRADABLE RELEASE
SYSTEM



NON-DEGRADABLE RELEASE SYSTEM



PURE DRUG OR OTHER MOLECULE (SOLID, LIQUID,
OR GEL FORM)



INSULATOR/ETCH MASK MATERIAL

FIG. 8A

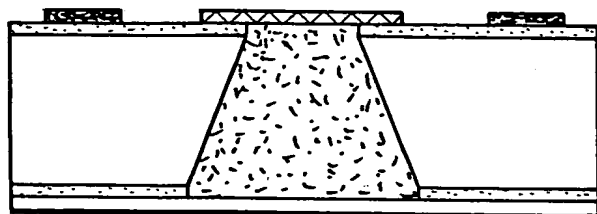


FIG. 8B

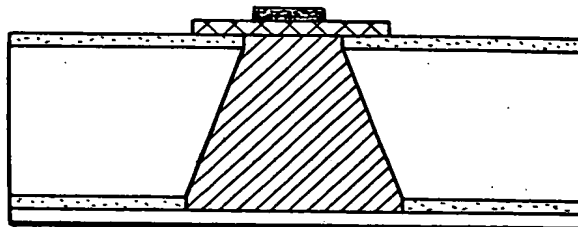


FIG. 8C

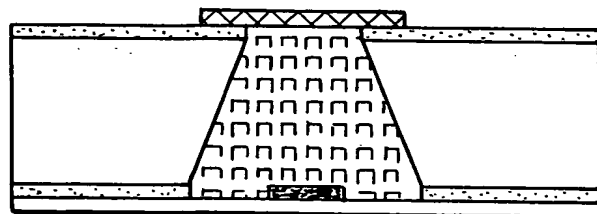
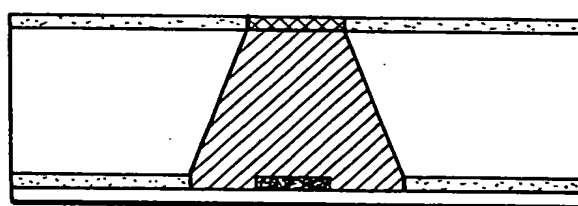


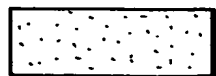
FIG. 8D



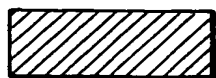
RESISTOR



CAP MATERIAL



INSULATOR / ETCH MASK MATERIAL



DEGRADABLE RELEASE SYSTEM



NON-DEGRADABLE RELEASE SYSTEM



PURE DRUG OR OTHER MOLECULE
(SOLID , LIQUID OR GEL FORM)

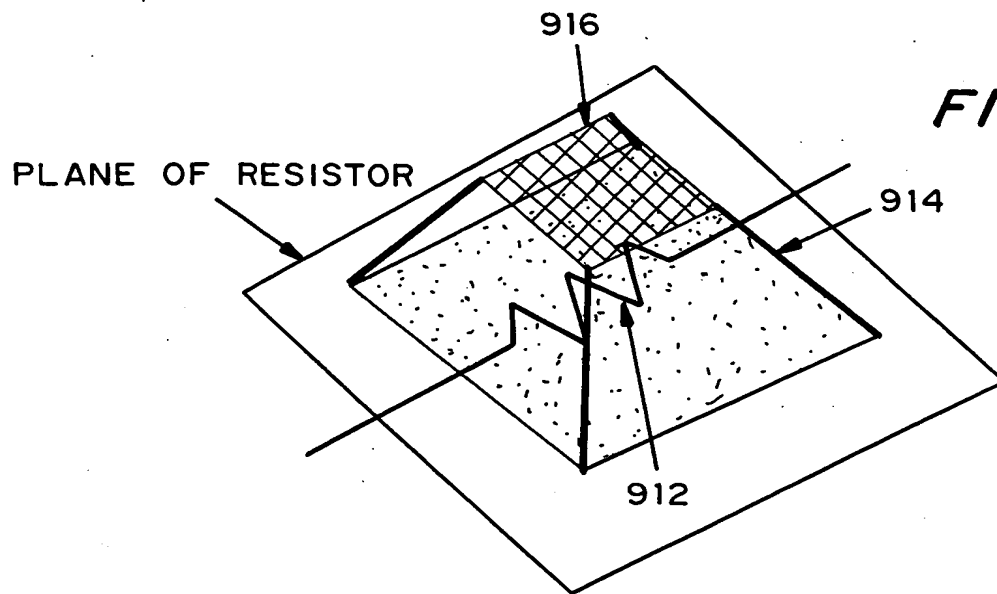


FIG. 9A

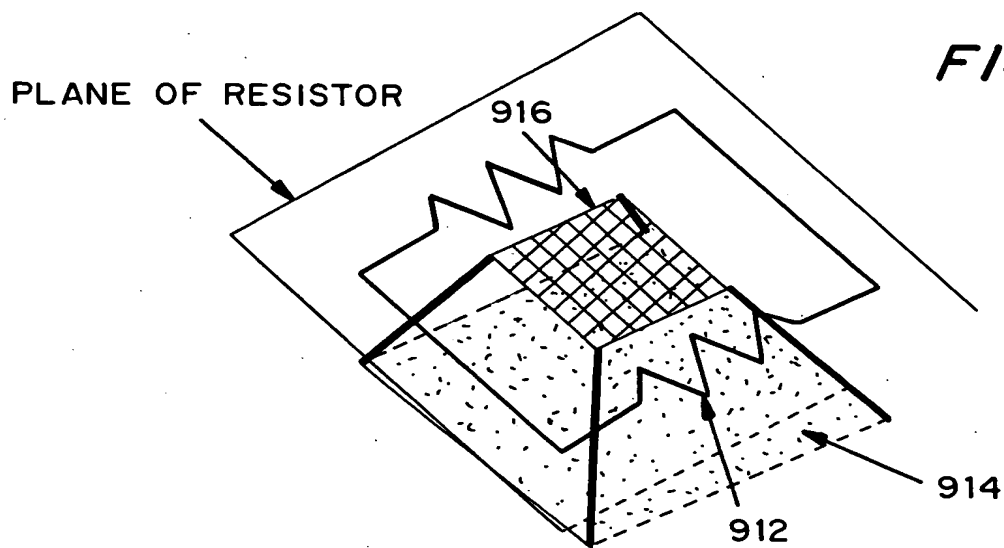


FIG. 9B

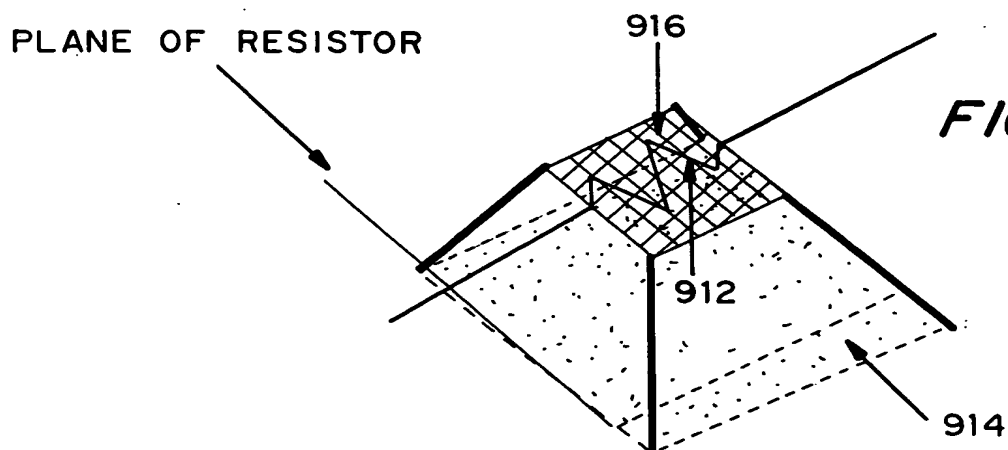


FIG. 9C

$$T1 < T2 < T3$$

FIG. 10A

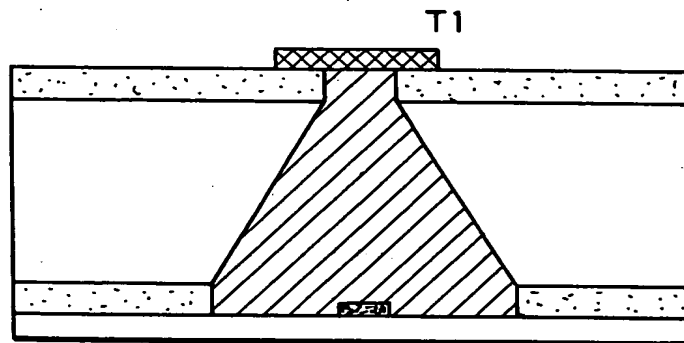


FIG. 10B

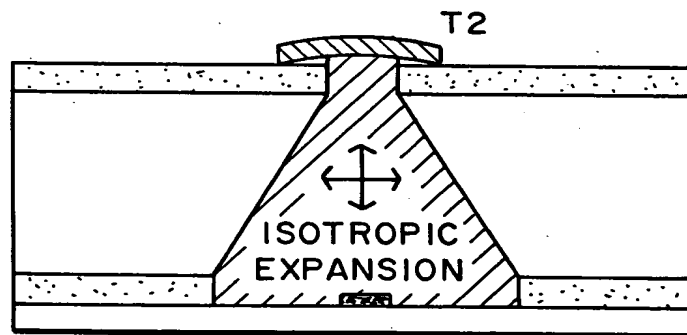
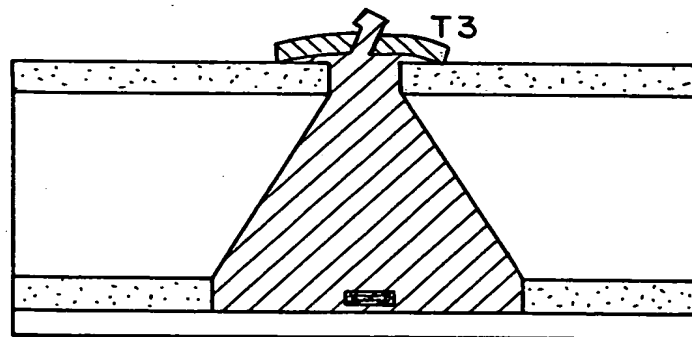






FIG. 10C



-  INSULATOR / ETCH MASK MATERIAL
-  CAP MATERIAL
-  RESISTOR
-  RELEASE SYSTEM

$$T1 < T2 < T3$$

$$P1 < P2 < P3$$

FIG. 11A

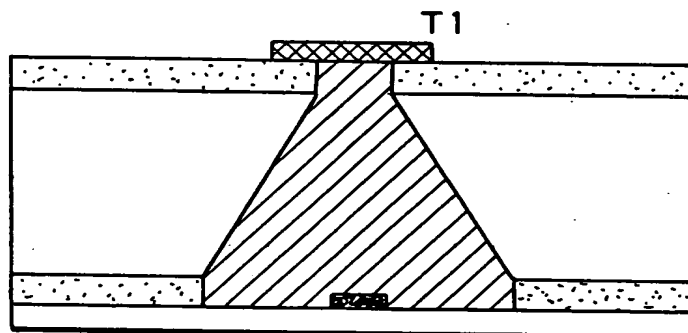


FIG. 11B

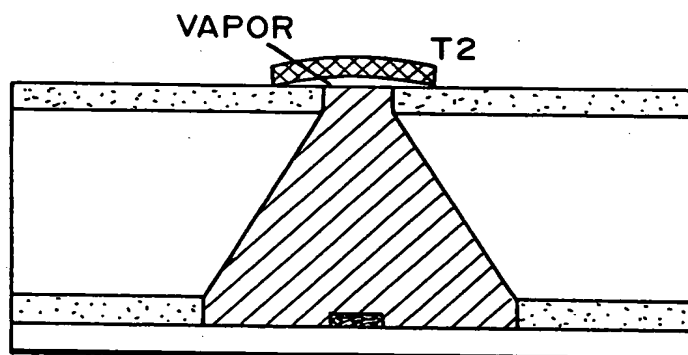
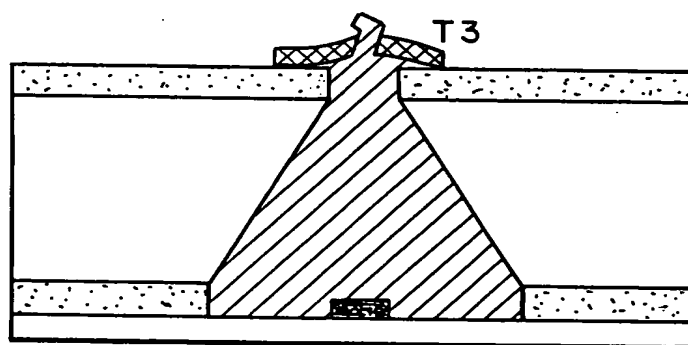


FIG. 11C







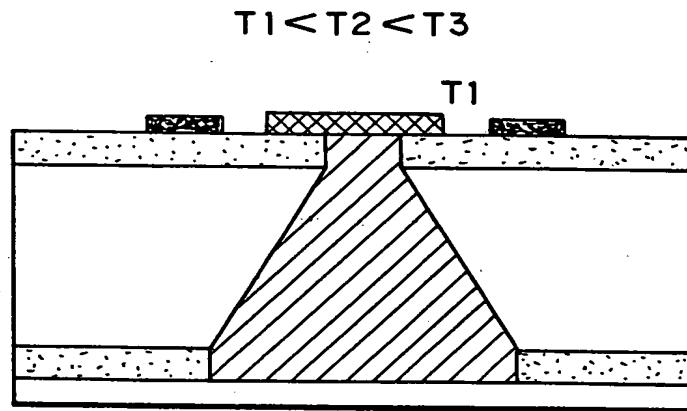
- | | |
|---|------------------------------|
|  | INSULATOR/ETCH MASK MATERIAL |
|  | CAP MATERIAL |
|  | RESISTOR |
|  | RELEASE SYSTEM |

FIG. 12A



DIRECTION OF FORCES ON CAP

FIG. 12B

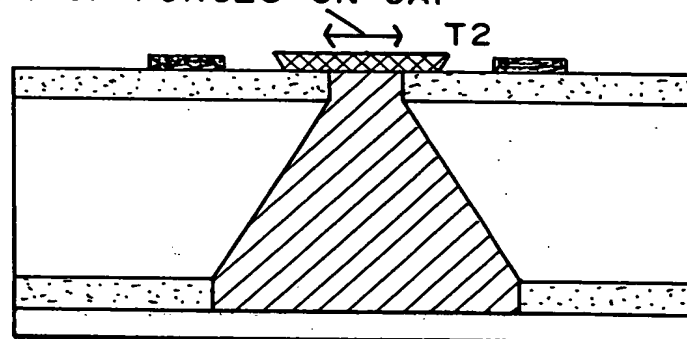
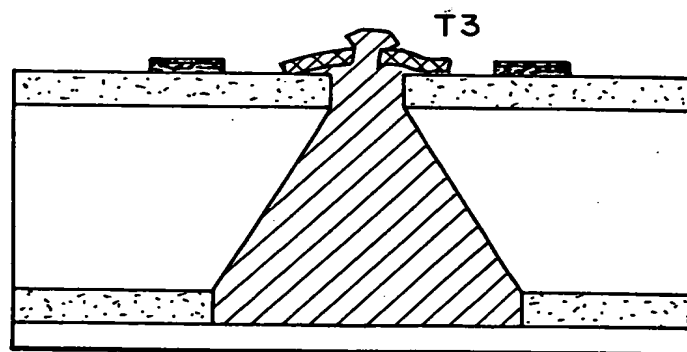






FIG. 12C



-  INSULATOR/ETCH MASK MATERIAL
-  CAP MATERIAL
-  RESISTOR
-  RELEASE SYSTEM

$$T1 < T_{MELT} < T2$$

FIG. 13A

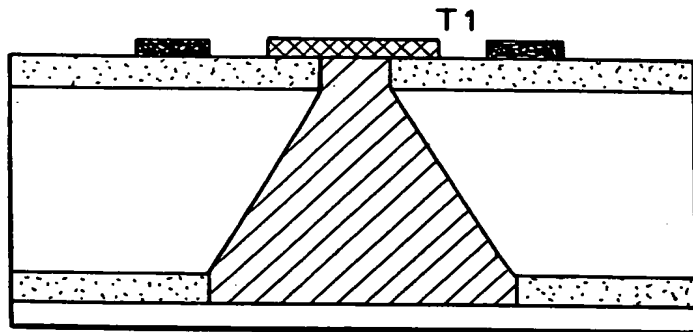


FIG. 13B

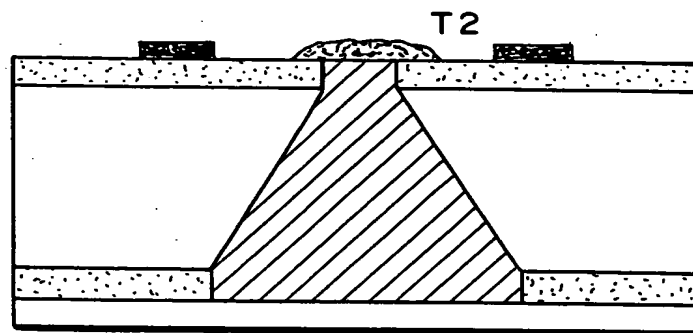
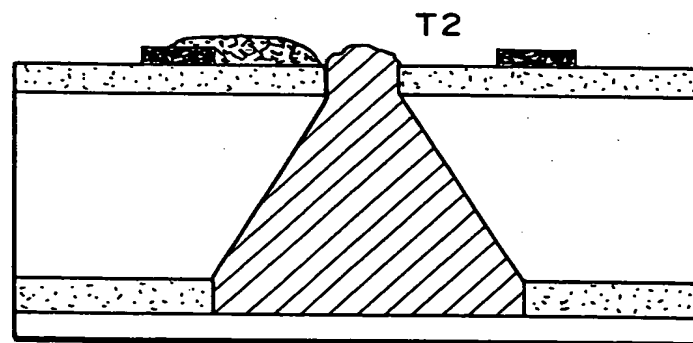




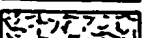


FIG. 13C



-  INSULATOR/ETCH MASK MATERIAL
-  CAP MATERIAL
-  RESISTOR
-  RELEASE SYSTEM
-  MOLTEN CAP